

ATTACHMENT A

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the applications:

1. (Currently Amended) Carbon monoxide sensor apparatus comprising

a pre-treatment means [and sensor means, in] which [the pre-treatment means] comprises

        an aqueous medium to absorb contaminating substances from a gaseous test substrate and

        catalytic means to convert contaminating substances to non-contaminating substance at ambient temperatures ; and

a sensor that senses the presence of carbon monoxide.

2. (Original) apparatus according to claim 1, in which the pre-treatment and sensor means are contained in separate chambers in mutual communication, the pretreatment chamber including access means for the gaseous test substrate.

3. (Previously presented) Apparatus according to claim 1, in which the sensor means comprise an electrochemical sensor comprising two electrochemically-active electrodes separated by an electrolyte absorbed on a porous substrate.

4. (Original) Apparatus according to claim 3, in which the sensor electrodes comprise a precious metal as catalyst.

5. (Original) Apparatus according to claim 4, in which the catalyst is disposed on a porous support.

6. (Original) Apparatus according to claim 4, in which the catalyst is applied direct to the electrode surface in finely-divided form.

7. (Previously presented) Apparatus according to claim 3, in which the porous substrate comprises a plastics polymeric material.

8. (Previously presented) Apparatus according to claim 3, in which the electrolyte is acidic.

9. (Previously presented) Apparatus according to claim 1, in which the aqueous medium contains sulphuric acid or other water-retention substance.

10. (Previously presented) Apparatus according to claim 1, in which the aqueous medium is absorbed on a solid absorbent matrix.

11. (Previously presented) Apparatus according to claim 1 and including a porous barrier to exclude airborne particulates from the pre-treatment means.

12. (Currently Amended) A method for sensing the presence of carbon monoxide in a gaseous test sample [substrate] which may also contain contaminating substances, the method comprising pre-treating the sample [substrate] by passage thereof through an aqueous medium to absorb any contaminating substances and over a catalyst at ambient temperatures to convert said contaminating substances to non-contaminating substances , and testing said pre-treated sample [residue of the test substrate] for the presence of carbon monoxide.